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FIG 1

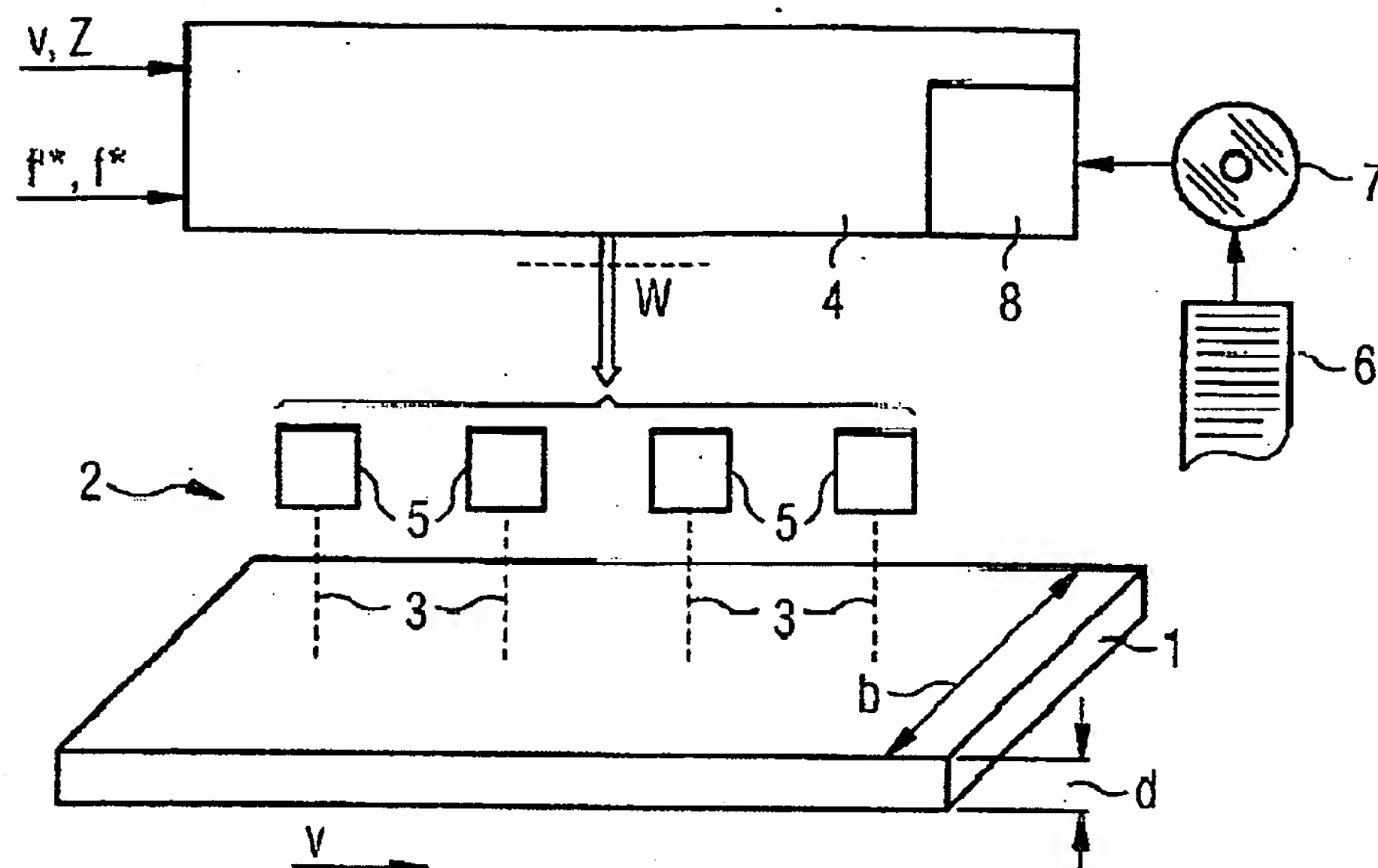


FIG 2

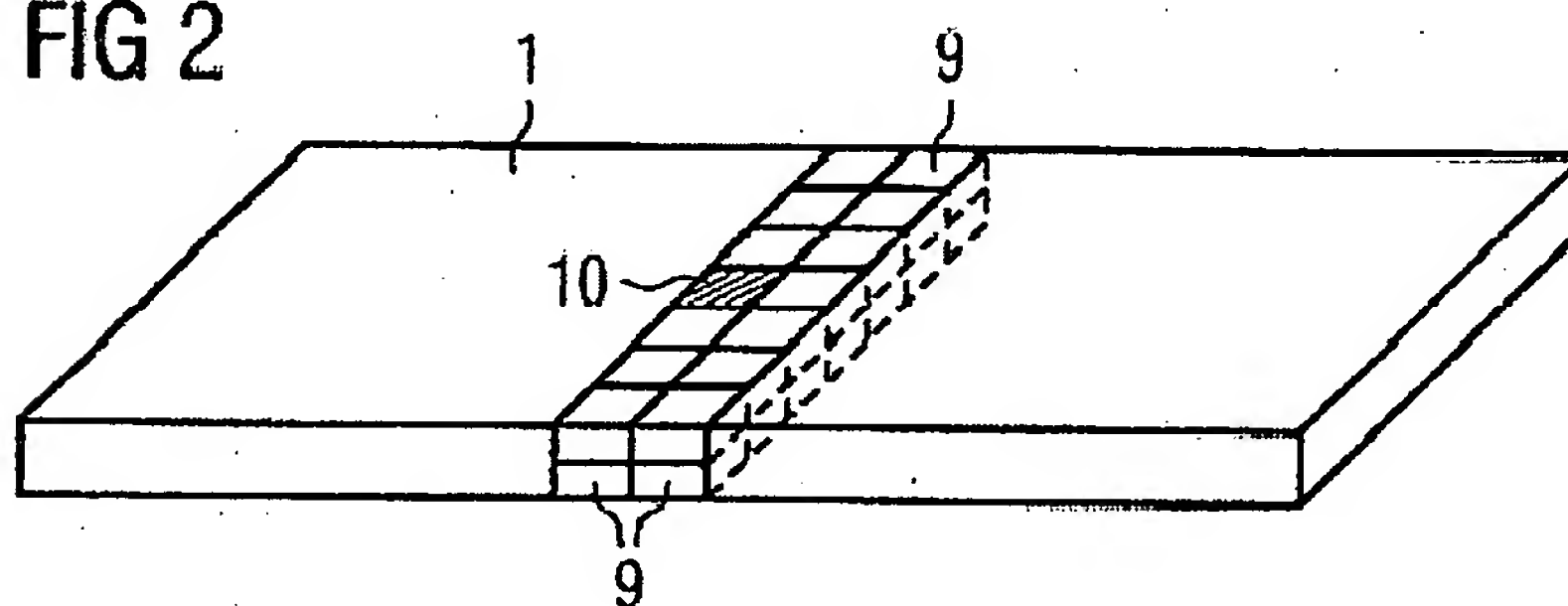


FIG 3

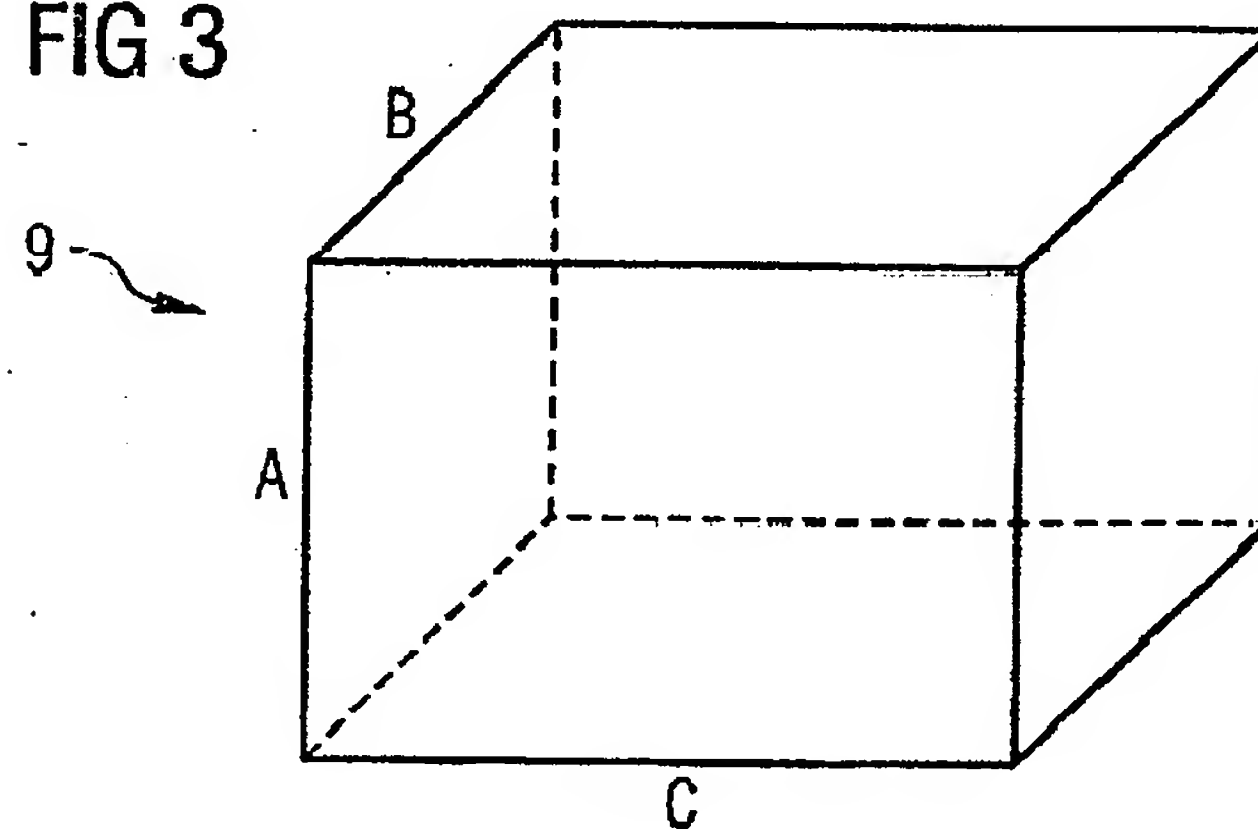
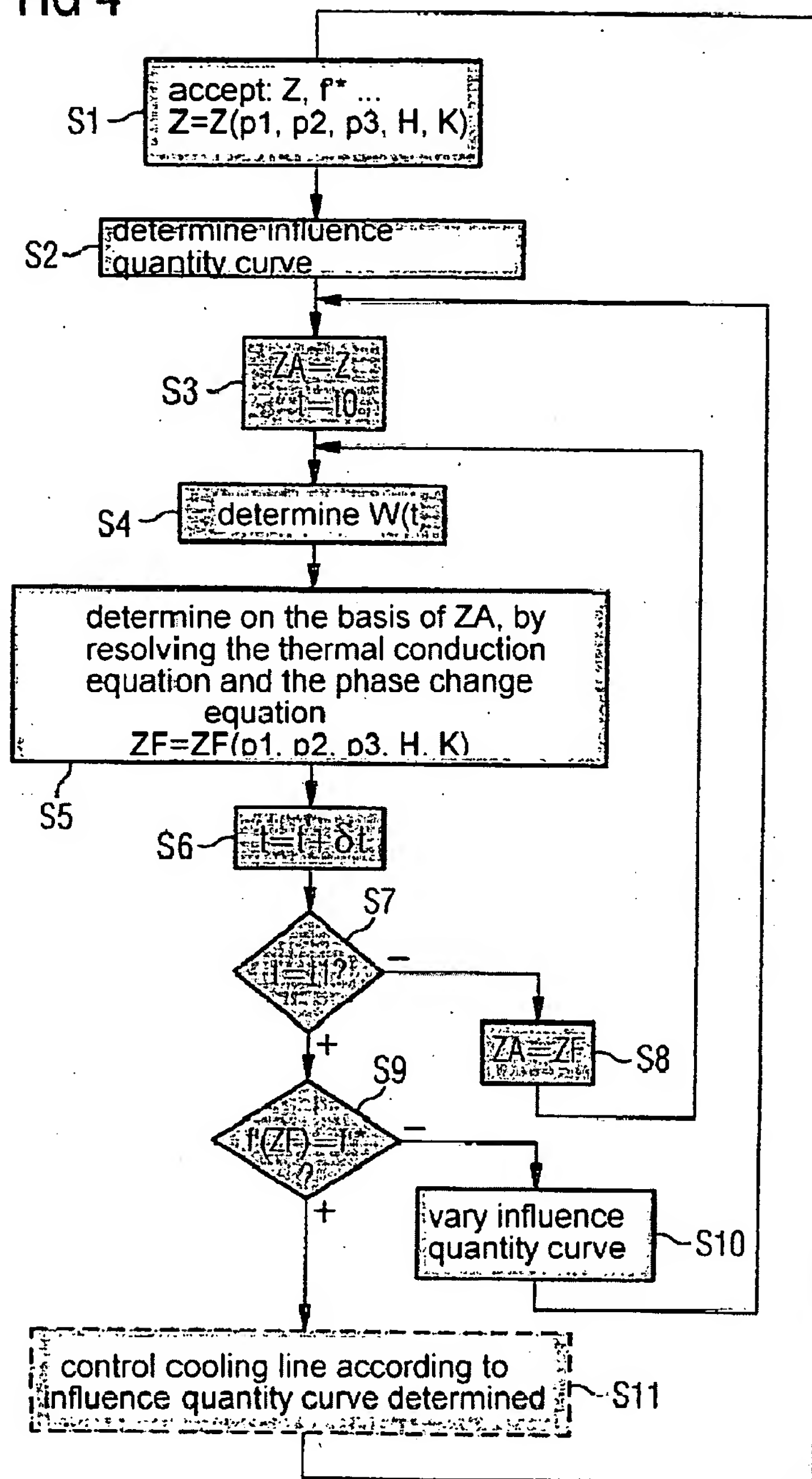
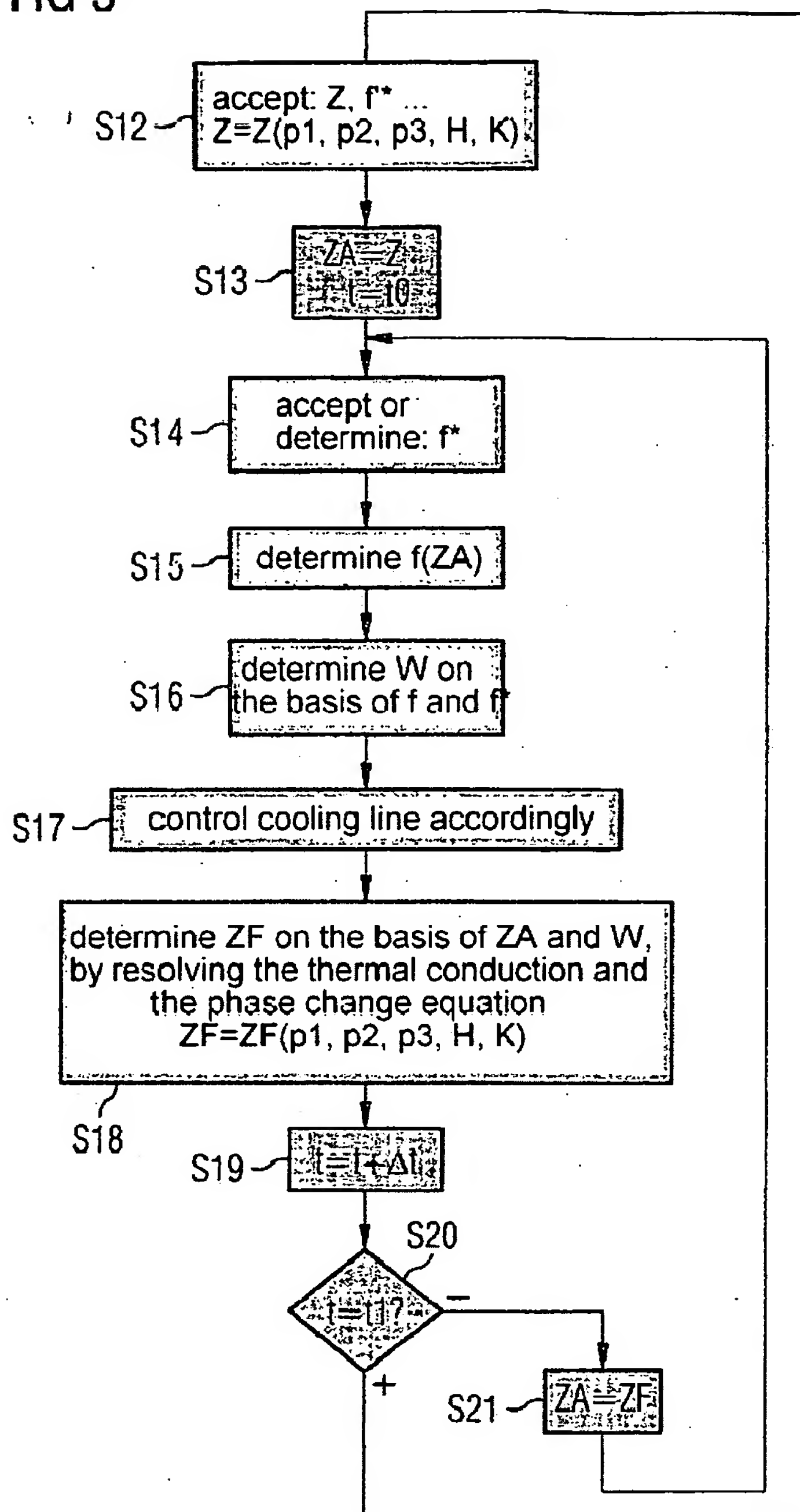


FIG 4



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FIG 5



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FIG 6

Block diagram for FIG 6. The system is represented by a rectangular box. On the left, an arrow labeled ZA points into the box. On the right, an arrow labeled ZF points out of the box. Inside the box, the following equations are listed:

$$\frac{\partial H}{\partial t} - \text{div} \left[\frac{\lambda H(p_1, p_2, p_3)}{\rho} \cdot \text{grad} T(H, p_1, p_2, p_3) \right] = 0$$

$$\frac{\partial p_1}{\partial t} = f_1(T, K); \quad \frac{\partial p_2}{\partial t} = f_2(T, K); \quad \frac{\partial p_3}{\partial t} = f_3(T, K);$$

FIG 7

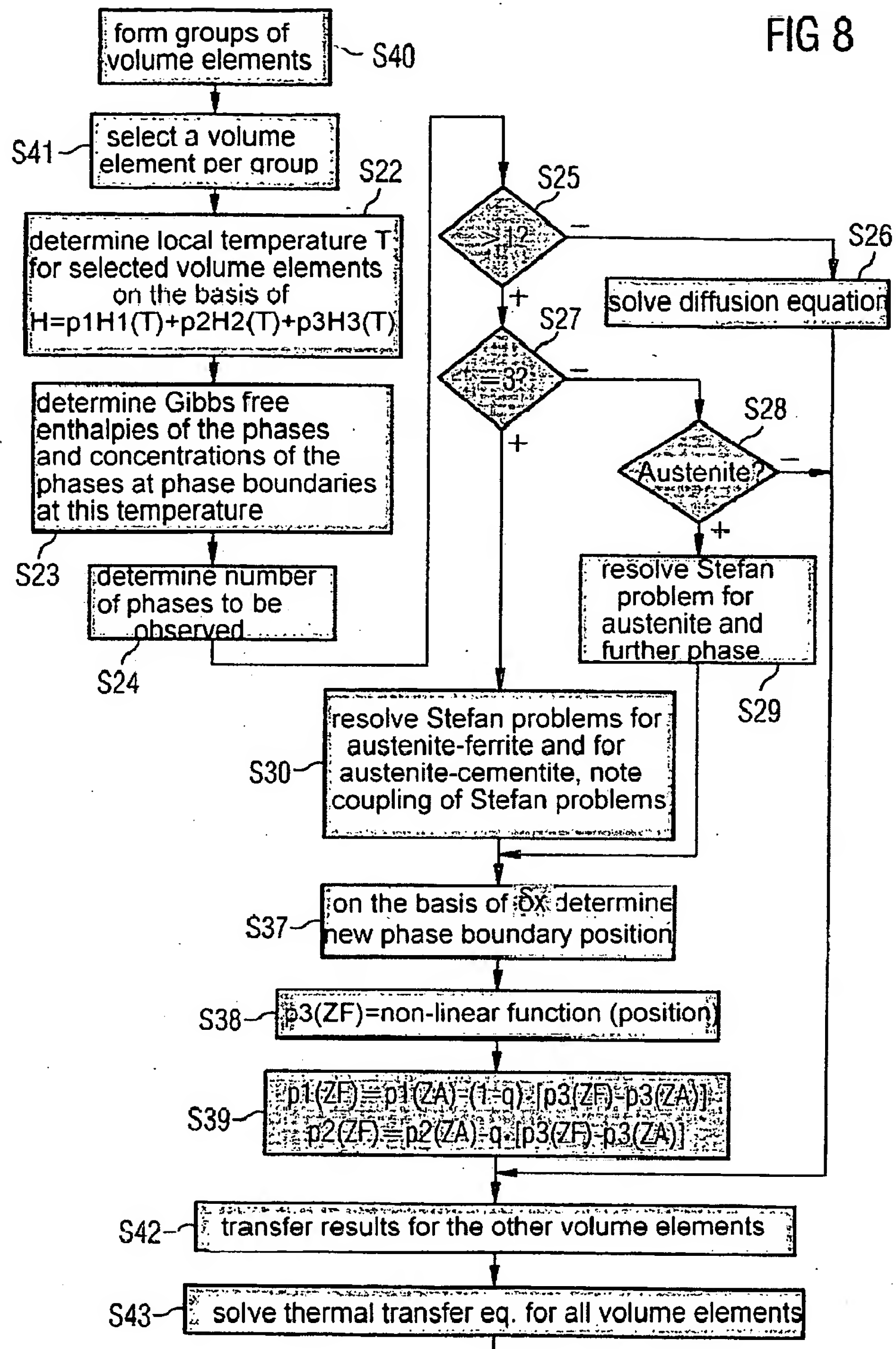
Block diagram for FIG 7. The system is represented by a rectangular box. On the left, an arrow labeled ZA points into the box. On the right, an arrow labeled ZF points out of the box. Inside the box, the following equations are listed:

$$\frac{\partial H}{\partial t} - \frac{\partial}{\partial x} \left[\frac{\lambda H(p_1, p_2, p_3)}{\rho} \cdot \frac{\partial}{\partial x} T(H, p_1, p_2, p_3) \right] = 0$$

$$\frac{\partial p_1}{\partial t} = f_1(T, K); \quad \frac{\partial p_2}{\partial t} = f_2(T, K); \quad \frac{\partial p_3}{\partial t} = f_3(T, K);$$

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FIG 8



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FIG 9

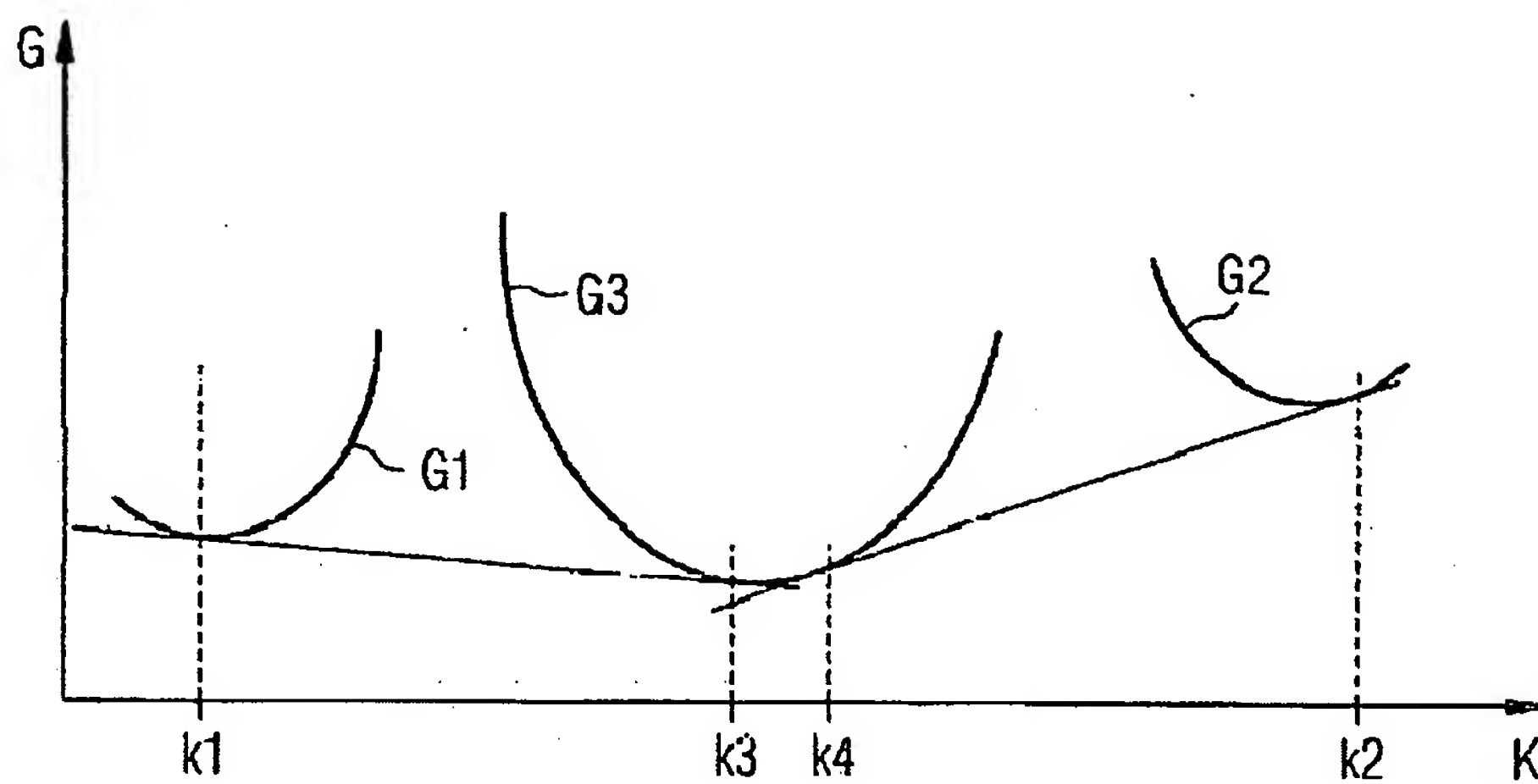
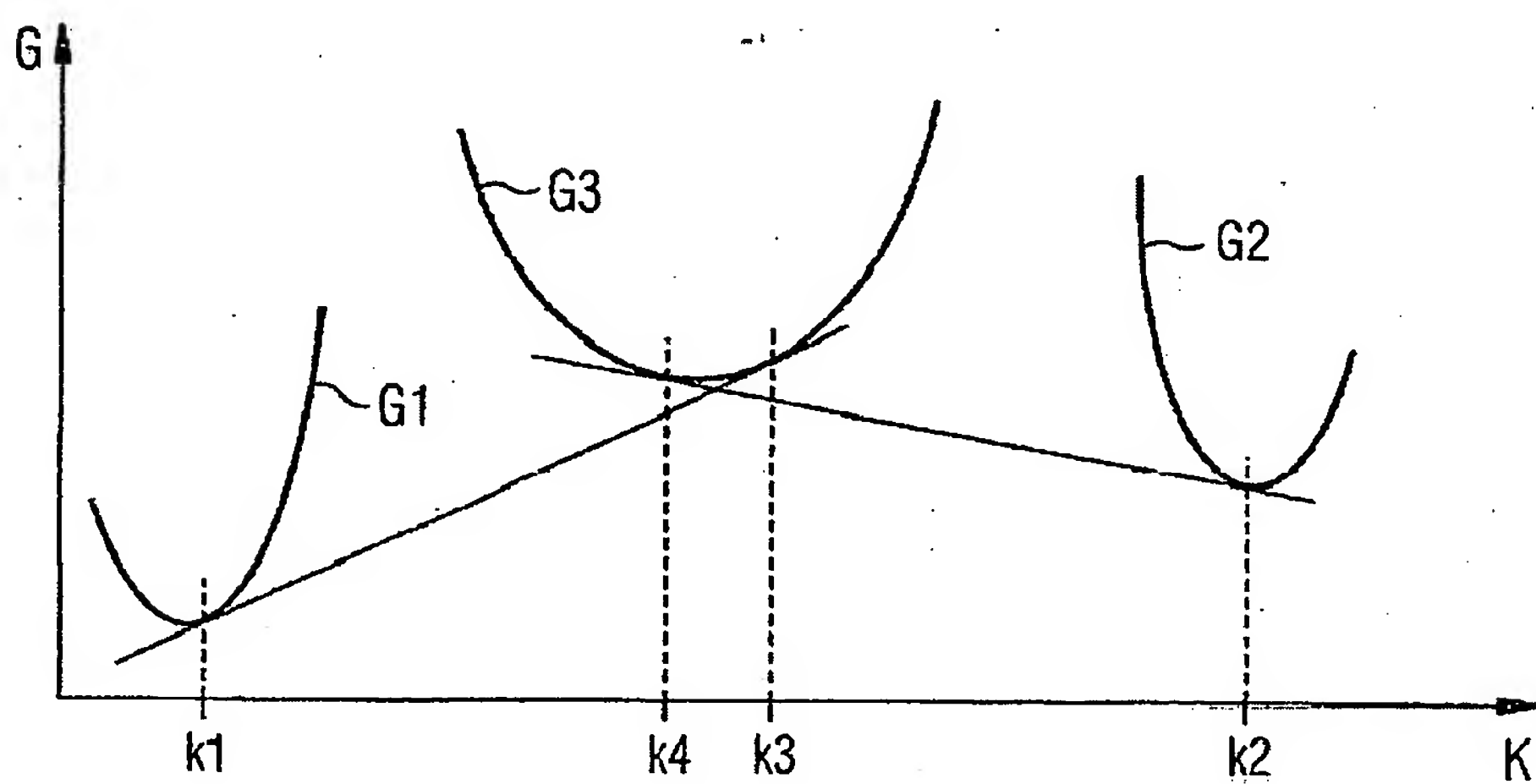


FIG 10



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FIG 11

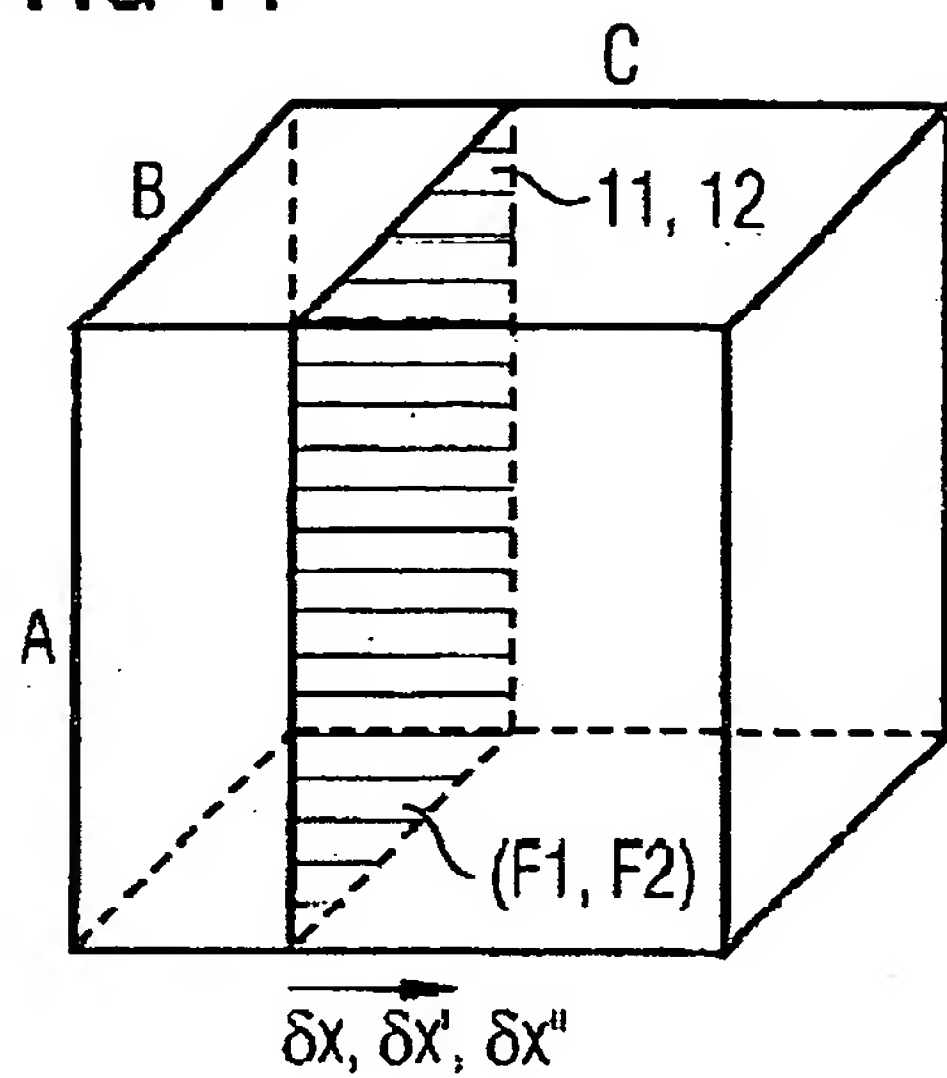


FIG 12

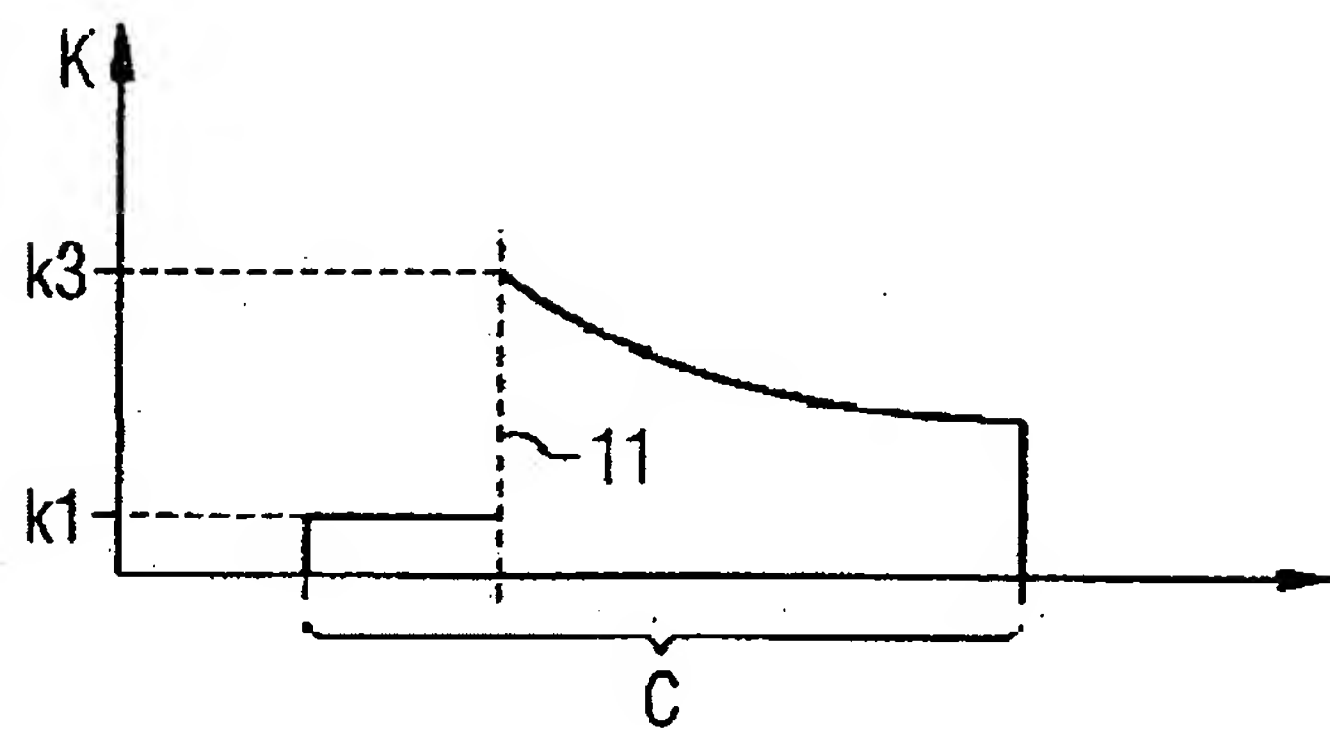


FIG 13

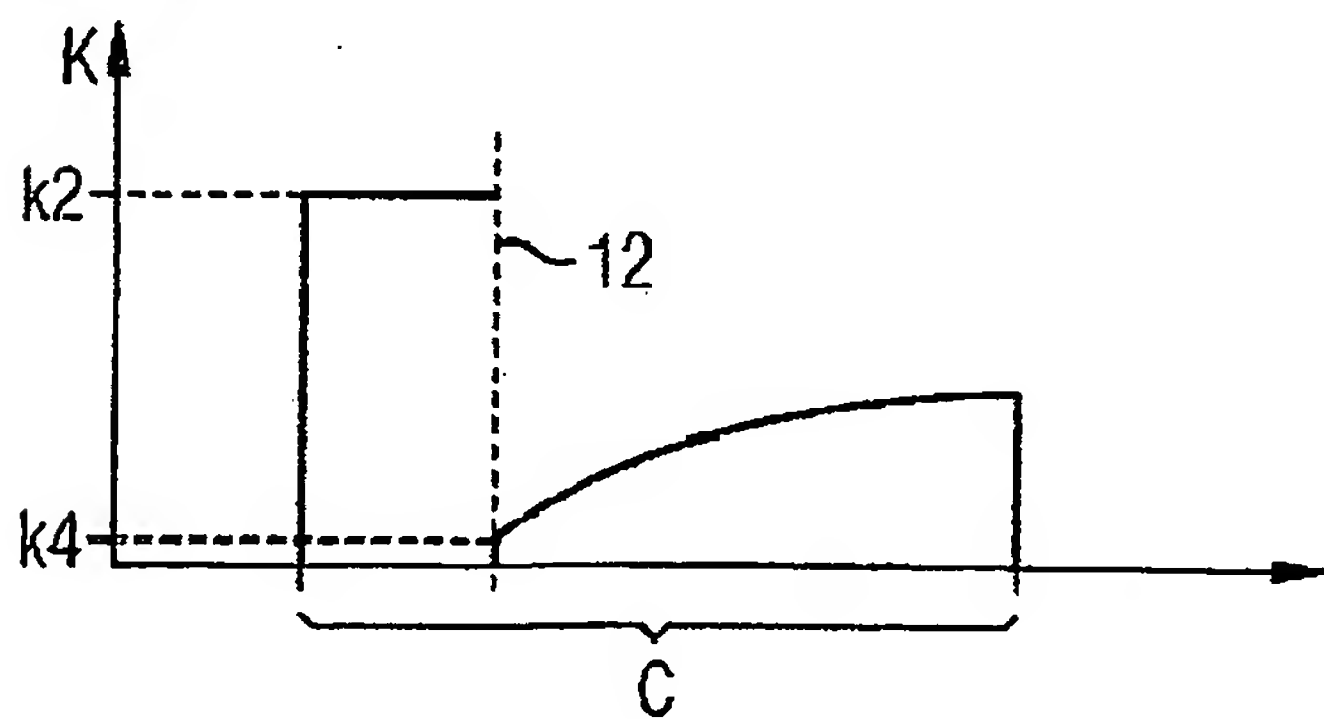


FIG 14

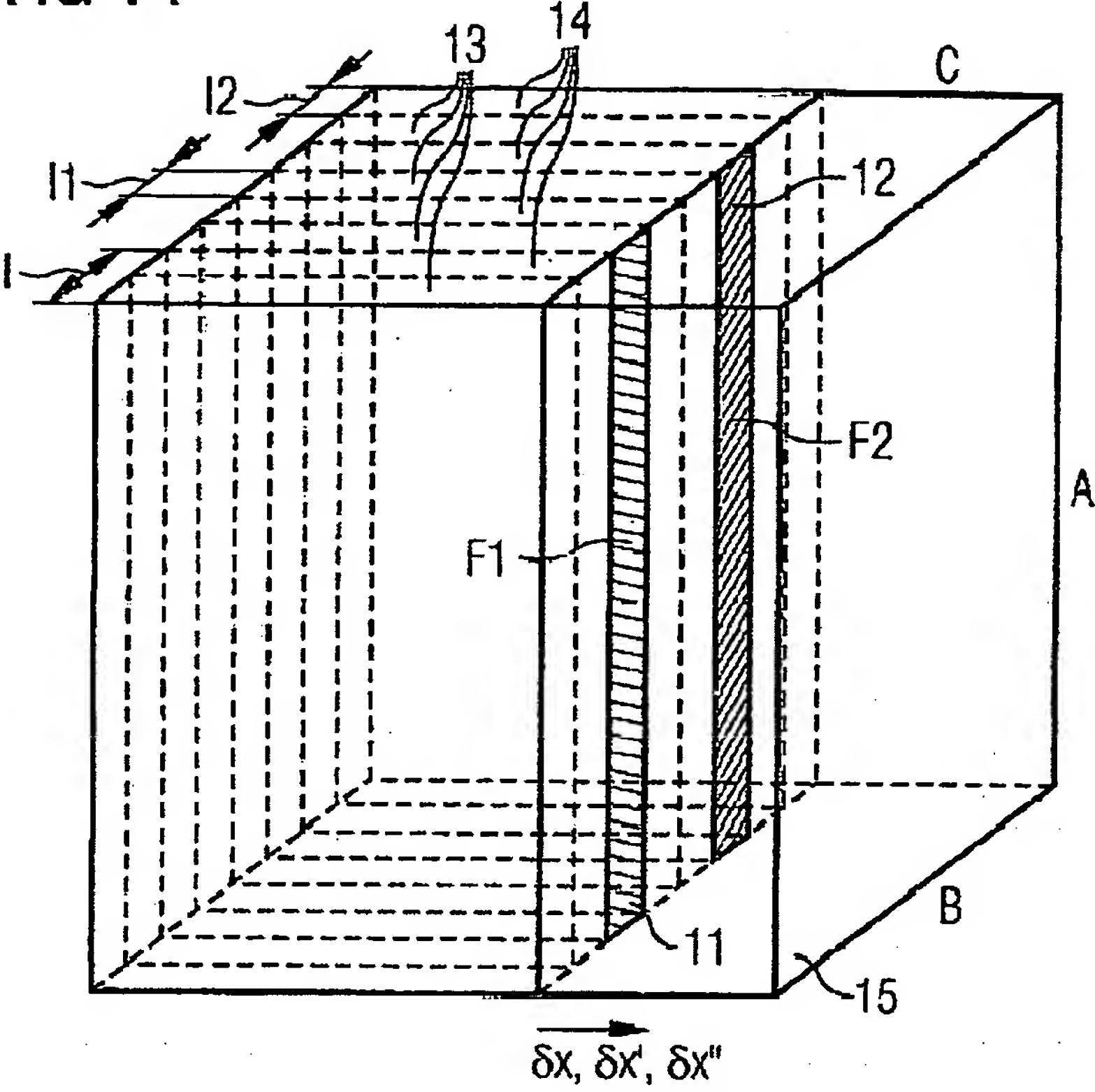


FIG 15

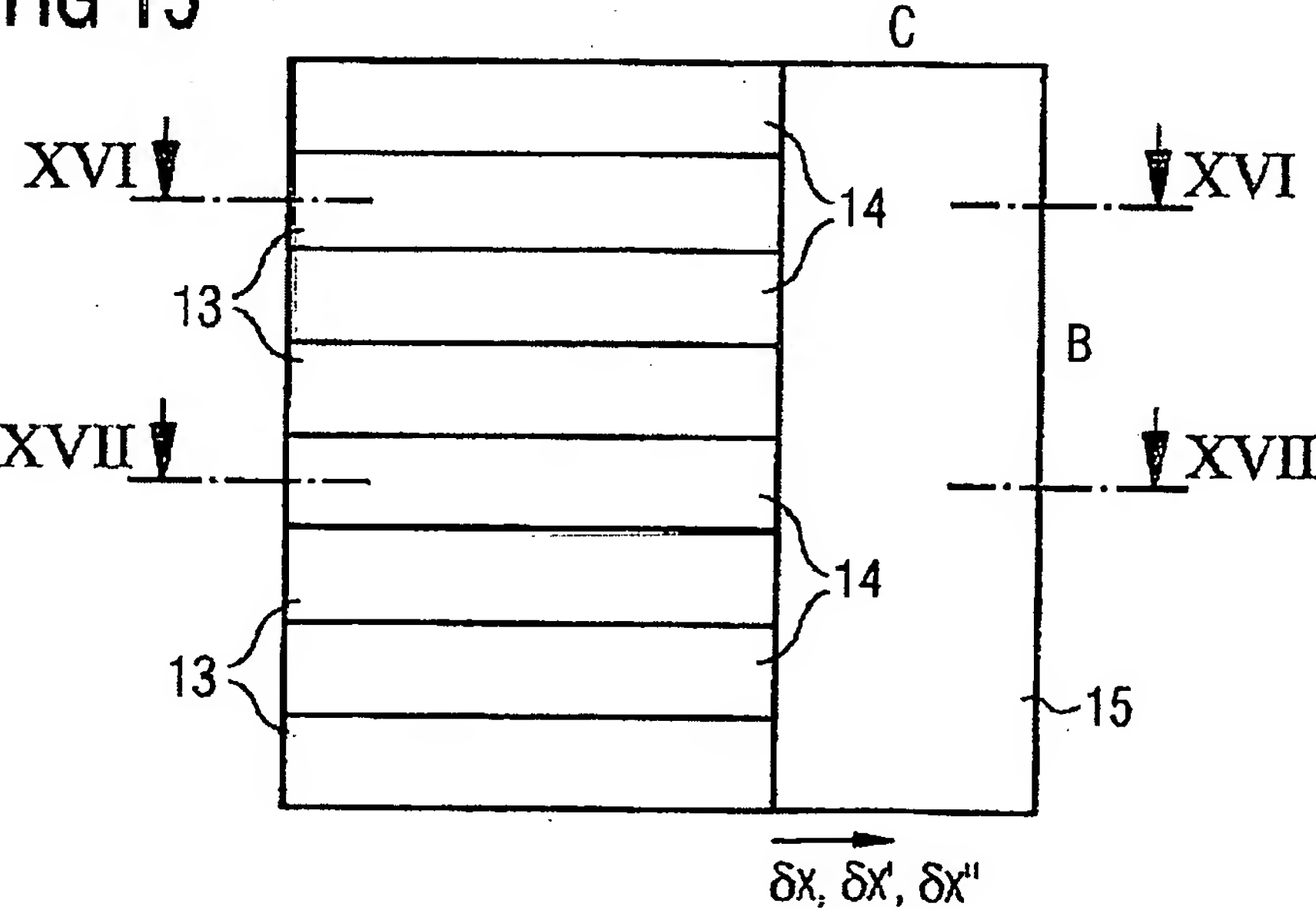


FIG 16

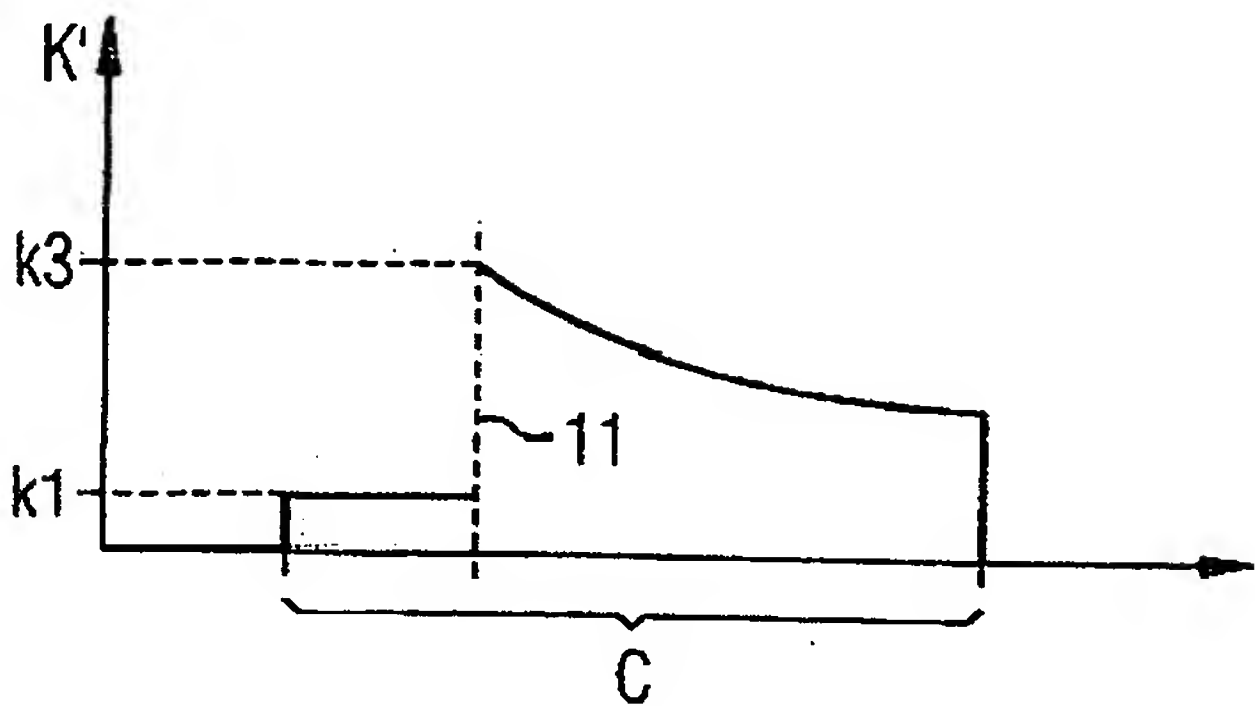


FIG 17

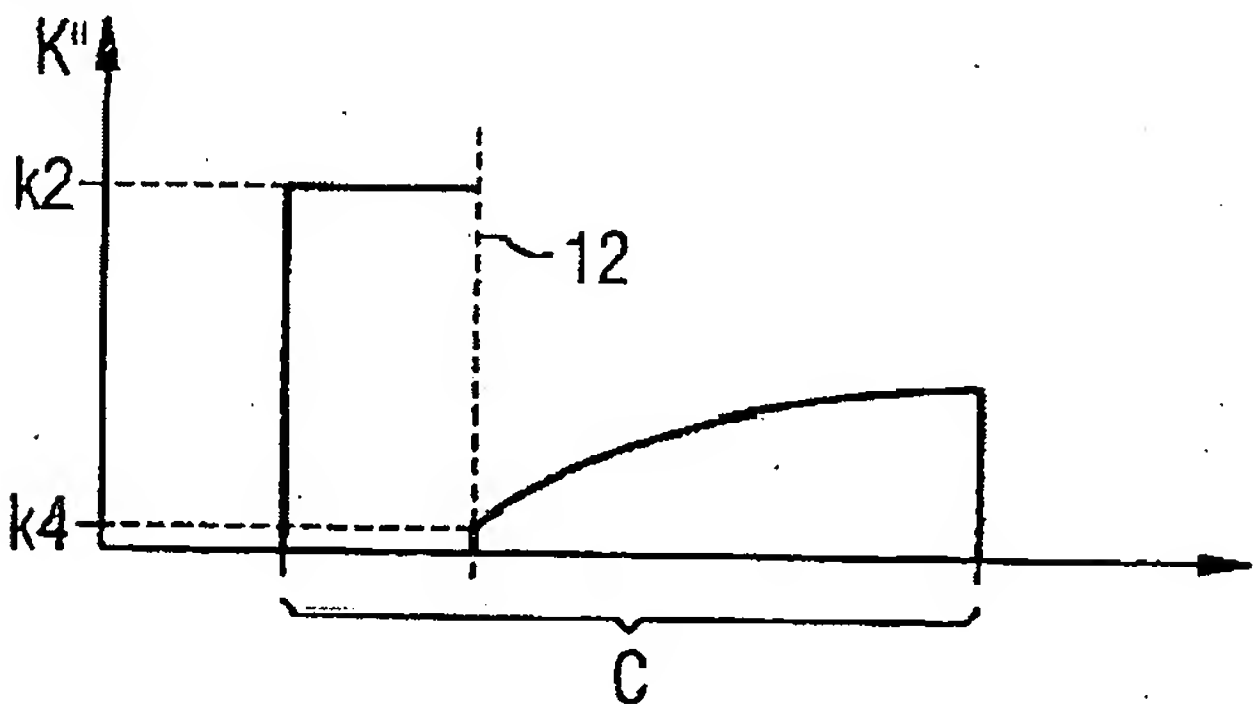
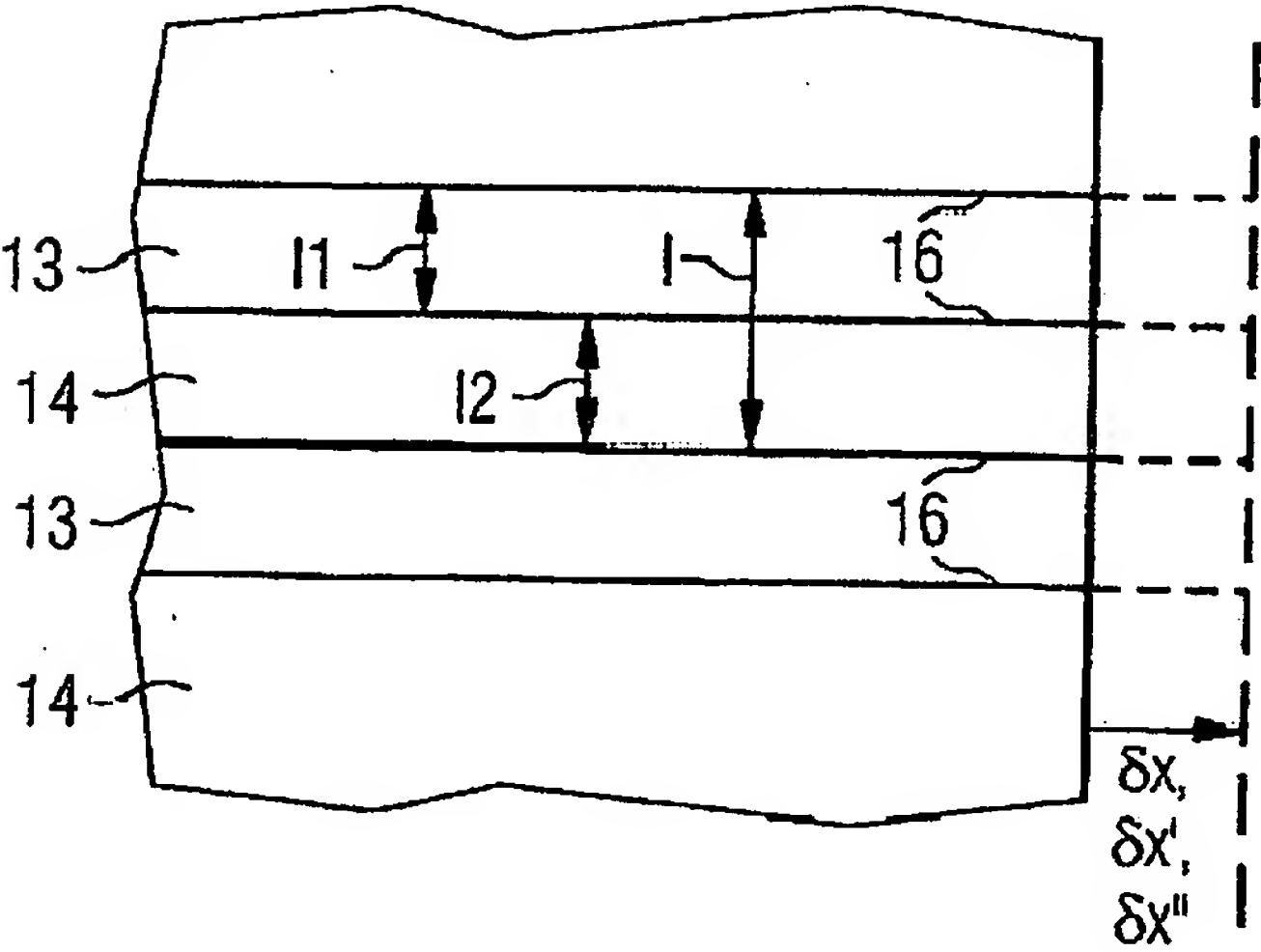


FIG 19



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FIG 18

